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Examiner

Reexamination

Art Unit ----

Rejected Allowed

(Through numeral) Cancelled Restricted

Non-Elected N Interference

Appeal Objected

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|  | 1   | )        |          |          | T  | T              | Τ        |          |  | М               |
|  | 2   |          |          | 1        | 1  | T              | $\top$   |          | İΤ   | $\Box$          |
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|  | (1)~(3)4 A 6  |          |          | Γ        |  |                |          |          |  |                 |
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|  | 1 <b>B</b>  |          | _        | t        | T  |                |          | t        | t  |                 |
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|  | 20  |          |          |          |  |                |          |          |  |                 |
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| <del>                                     </del> | 4   |          | <u> </u> | -        | ┡  | <del> </del> _ | <u> </u> | <u> </u> | ⊢  | -               |
|  | 4   |          | _        | -        | ├  | <u> </u>       | <u> </u> | ┢        | <del> </del>                                     | Н               |
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|  | *89   |          |          | Н        |  | ┢┈             | H        | ┢╌       | $\vdash$   | Н               |
| -  | 30  |          |          | Н        | H  | $\vdash$       | l        | ┢        | <del>                                     </del> | H               |
|  | 31  |          |          |          | <del>                                     </del> |                | $\vdash$ |          | T  | H               |
|  | 31<br>32<br>33  |          |          |          |  |                |          |          |  | П               |
|  | 33  |          |          |          |  |                |          |          |  |                 |
|  | 34<br>35  | _        |          |          | _  | L.             |          |          |  |                 |
|  | 35  |          |          |          | L  | <u> </u>       | L        | L.       | <u> </u>   | Ш               |
|  | 36  | -        |          | $\vdash$ | <del> </del>                                     | <u> </u>       | <u> </u> | <u> </u> | <u> </u>   | Щ               |
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|  | 43  |          |          | H        | <del>                                     </del> | $\vdash$       | $\vdash$ | -        |  | H               |
|  | 44  |          | -        |          | $\vdash$   |                |          |          |  | $\dashv$        |
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|  | 46  |          |          |          |  |                |          |          |  |                 |
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|  | 48  | $\dashv$ | _        | _        | L  | L              |          |          |  |                 |
|  | 49  |          | _        | _        | <u> </u>   | Щ              |          | Ш        | Ш  | _               |
|  | 50  | - 1      |          | 1        |  |                |          |          |  | - 1             |

|          |                | _  |                |              |              |              | •  |          | _        | _        |   | _               |          |                 |          | _         | _            | J        | Ц.   |          | _            |           |
|----------|----------------|--|----------------|--------------|--------------|--------------|--|----------|----------|----------|---|-----------------|----------|-----------------|----------|-----------|--------------|----------|--|----------|--------------|-----------|
| Cla      | aim            |  | _              |              |              | Dat          | e  |          | _        |          | ] | Cla             | aim      | Γ               |          |           |              | Dat      | e  |          |              |           |
|          | Original ,     |  |                |              |              |              |  |          |          |          |   | Final           | Original |                 |          |           |              |          |  |          |              |           |
| 7        | 1              |  |                |              |              |              |  |          |          |          | 1 |                 | 51       |                 |          | $\vdash$  | İ            |          | T  | T        | Ì            |           |
|          |                |  |                |              |              |              |  |          |          |          | ] |                 | 52       |                 |          |           |              | $\vdash$ |  | Г        | 1            | П         |
|          | (3)            |  |                | $\perp$      | _            | L            | L  |          |          |          |   |                 | 53       |                 |          |           |              |          |  |          |              |           |
|          | 4              |  | <u> </u>       | <u> </u>     | ļ.,          | L            | L  | _        | L_       | L        | 1 | L               | 54       |                 |          |           |              |          |  | L        |              |           |
| _        |                | <u> </u>   | ↓_             | -            | <u> </u>     | <u> </u>     | <u> </u>   | L        | <u> </u> | <u> </u> | Į |                 | 55       |                 |          | <u> </u>  | L_           | <u> </u> |  |          |              | Ш         |
|          | 6              | <u> </u>   | ╄              | ↓_           | <del> </del> | <b>├</b>     | <u> </u>   | <u> </u> | <u> </u> | 1        | - |                 | 56       |                 |          | _         | L            | Ь.       | _  |          | _            | Ш         |
| _        | 8              | <del> </del>                                     | ╄              | ⊢            | ├-           | ⊢            | ├-   | <u> </u> | -        | ⊢        | 4 | <u> </u>        | 57       | $\sqcup$        |          | _         | <u> </u>     | L        | <u> </u>   | <u> </u> | ╙            | Ш         |
|          | 3              | ├  | +              | ╀            | ├            | ⊢            | -  |          | -        | ┢        | ┨ |                 | 58       | $\vdash \vdash$ |          | _         | _            | ├-       | <del> </del>                                     | ┡        | ├-           | Ц         |
| _        | 10             | ⊢  | ╁              | ╀╌           | ├            | ╁            | ├  | ┢        | -        | $\vdash$ | ┨ |                 | 59<br>60 | Н               | -        |           | <u> </u>     | -        | -  | Ͱ        | <b> </b>     | Н         |
| -        | 11             | -  | ╁              | +            | $\vdash$     | ╁╌           | ┢  | ├        | ⊢        | $\vdash$ | 1 | $\vdash$        | 61       | $\vdash$        |          |           | ┝            | ┢        | $\vdash$   | ┢        | <del> </del> | Н         |
| _        | 12             | ╁╴   | ╁              | t            | ╁            | ╁            | ┢  | $\vdash$ | -        | ┢        | ł | <u> </u>        | 62       | $\dashv$        | -        |           | ├─           | ├        | ⊢  | ╁        | ╢            | Н         |
|          | 18             | <del>                                     </del> | 1              | I            | ├─           | ┢            | <del>                                     </del> |          | -        | ┢╌       | 1 |                 | 63       | $\dashv$        | _        |           | -            | -        | ┢  | ┞        | ⊢            | Н         |
|          | 14             |  | T              | ╁            |              | <u> </u>     |  | -        |          | 1        | 1 |                 | 64       | H               |          |           | <del> </del> | $\vdash$ | ╁  | ├-       | ┝            | Н         |
| _        | 15             |  | T              | Ι.           | <u> </u>     | $\vdash$     |  |          | ┢        |          | 1 |                 | 65       |                 |          |           | 1            | 1        | $\vdash$   | ┢        | $\vdash$     | Н         |
|          | 16             |  |                | Г            |              |              |  | $\vdash$ | $\vdash$ | T        | 1 |                 | 66       |                 | $\neg$   |           | $\vdash$     |          | ╁  |          |              | H         |
|          | 17             |  |                | Г            |              |              |  |          |          |          | 1 |                 | 67       |                 |          |           |              |          | <del>                                     </del> |          |              | П         |
|          | 1B<br>1B       |  |                |              |              |              |  |          |          |          | 1 |                 | 68       |                 |          |           |              | Т        |  |          |              |           |
|          | 10             |  |                |              |              |              |  |          |          |          | ] |                 | 69       |                 |          |           | Г            |          |  |          |              |           |
|          | 20             | _  | <u> </u>       |              | L            |              |  |          |          |          |   |                 | 70       |                 |          |           |              |          |  |          |              |           |
|          | 21             | <u> </u>   | <u> </u>       | <u> </u>     | L            | <u> </u>     |  | L.       |          | _        |   |                 | 71       |                 | [        |           |              |          |  |          |              |           |
| 4        | 22             | <u> </u>   | <u> </u>       | Ļ            |              |              | _  | <u> </u> |          | _        |   |                 | 72       |                 | _        |           |              |          | _  | L        |              | Ш         |
| 4        | 3              | <u> </u>   | <del> </del> - | ⊢            | <u> </u>     | ļ            |  |          |          | _        | l | <u> </u>        | 73       | $\Box$          | _        |           |              | L_       | _  | _        | _            | Ш         |
| 4        | 4              |  | ├-             | <u> </u>     | -            | <del> </del> | <u> </u>   |          | <u> </u> |          |   | $\vdash \vdash$ | 74       | _               | _        |           |              | <u> </u> | <u> </u>   | _        | <u> </u>     |           |
| 4        | 4              | ├  | ⊢              | ├            |              | <u> </u>     | _  |          |          | ┝        | - | <del>  </del>   | 75<br>76 |                 |          |           |              | -        | <u> </u>   | <u> </u> |              | _         |
| ٦        | <del>4</del> 7 |  | ├              | $\vdash$     | ├─           | -            |  |          |          |          | ł |                 | 77       | $\dashv$        |          | _         |              | _        | ├  | H        | -            |           |
| $\dashv$ | 28             |  | $\vdash$       | <del> </del> | $\vdash$     | -            | _  |          |          |          | 1 | H               | 78       | $\dashv$        | -        |           |              | -        |  |          | -            | $\dashv$  |
| 7        | 20             | _  |                | ┢            |              |              |  | -        | _        | $\vdash$ | i |                 | 79       | ┪               | -        |           | _            |          | $\vdash$   | $\vdash$ | $\vdash$     | $\dashv$  |
| ₹        | 30             | -  | $\vdash$       | Н            | _            |              |  |          |          |          | İ |                 | 80       | $\dashv$        |          |           |              | ┝        | $\vdash$   |          | $\vdash$     | $\dashv$  |
|          | 31             |  |                |              |              | $\vdash$     |  |          |          | $\vdash$ | ĺ |                 | 81       | 寸               | _        | -         |              | $\vdash$ | -  |          | -            |           |
|          | 32             |  |                |              |              |              |  |          |          |          | 1 |                 | 82       | _               |          |           |              |          |  | _        |              |           |
|          | 33             |  |                |              |              |              |  |          |          |          |   |                 | 83       | $\neg$          |          |           |              |          |  |          |              |           |
| $\Box$   | 34             |  |                |              |              |              |  |          |          |          |   |                 | 84       |                 |          |           |              |          |  |          |              | ᅱ         |
|          | 35             | <u> </u>   |                |              | Ц            |              |  |          |          |          |   |                 | 85       |                 |          |           |              |          |  |          |              |           |
| 4        | 36             |  |                |              |              |              |  |          |          |          |   |                 | 86       |                 |          | ]         |              |          |  |          |              |           |
| 4        | 37             | _  |                |              | _            |              |  |          |          |          |   |                 | 87       |                 | $\dashv$ | _         |              |          | L.,  |          |              |           |
| 4        | 38             | _  | <u> </u>       | _            | _            |              |  |          |          |          |   |                 | 88       | _               | _        | _         |              |          |  |          |              | _         |
| 4        | 39             | <u> </u>   | <u> </u>       |              | _            |              |  | _        |          |          |   |                 | 89       | $\dashv$        | 4        | _         |              |          |  |          |              | _         |
| 4        | 40             |  | <u> </u>       | <u> </u>     |              |              |  | $\dashv$ | _        |          |   |                 | 90       | 4               |          | _         |              |          | _  |          |              | _         |
| 4        | 41             |  | $\vdash$       | -            | _            |              | _  | $\dashv$ |          |          |   | <b>└</b>        | 91       | $\dashv$        | -        | _         |              | _        |  |          |              |           |
| +        | 43             | _  |                | $\vdash$     | -            |              |  |          |          |          |   |                 | 92<br>93 | -               | -+       |           |              |          |  |          | -            |           |
| +        | 44             |  |                | $\vdash$     | $\dashv$     | $\vdash$     | -  | -        | _        | -        |   | +               | 94       | $\dashv$        | -        |           | -            |          | -  |          |              | $\dashv$  |
| 1        | 45             |  |                | Н            | $\vdash$     |              | -  | $\dashv$ | -        |          |   | $\dashv$        | 95       | +               | $\dashv$ | -         | -            |          | $\vdash$   |          | $\vdash$     | $\dashv$  |
| 7        | 46             |  |                | $\vdash$     | $\vdash$     | $\dashv$     | $\dashv$   | $\dashv$ | _        |          |   |                 | 96       | $\dashv$        | $\dashv$ |           | -            |          | $\vdash$   |          |              | $\dashv$  |
| 7        | 47             |  |                | $\vdash$     |              | $\dashv$     | $\dashv$   | $\dashv$ | -        |          |   |                 | 97       | $\dashv$        | $\dashv$ | -         |              |          | H  |          |              | $\dashv$  |
| 1        | 48             |  |                |              |              |              |  |          | $\neg$   |          |   |                 | 98       | _               | $\dashv$ | _         | _            | _        |  | $\neg$   |              | $\exists$ |
| J        | 49             |  |                |              |              |              |  | $\neg$   |          |          |   |                 | 99       | $\dashv$        | $\dashv$ | $\dashv$  | _            |          |  | $\neg$   | $\neg$       | $\dashv$  |
| 1        | 50             |  |                |              |              |              |  |          |          |          |   |                 | 100      | J               | Ţ        | $\exists$ |              |          |  | $\neg$   |              | $\neg$    |
| _        |                |  |                |              |              |              |  |          |          |          | • |                 |          |                 |          |           |              |          |  |          |              |           |

| CI       | aim        | _        |                |                |          | Da           | te           | ,            |              |           |  |
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| Final    | Original   |          |                |                |          |              |              |              |              |           |  |
|          | 101<br>102 |          |                | 1              | $\vdash$ | T            | 十            | 1            | ┪            | $\vdash$  |  |
|          | 102        |          |                | 1              | T        | T            |              | T            | $\vdash$     |           |  |
|          | 103        |          |                |                |          | П            |              |              | Γ            |           |  |
|          | 104        | L        |                |                |          |              | $\Box$       |              |              |           |  |
|          | 105        |          | <u> </u>       | <u> </u>       | L        | <u> </u>     |              |              |              |           |  |
|          | 106<br>107 | <u>_</u> | <u> </u>       | 1              | ļ        | <u> </u>     | $\perp$      | L            | L            | L         |  |
|          | 107        | _        | <u> </u>       | <u> </u>       | ١        | ╀            | ╄            | <u> </u>     | <u> </u>     | L         |  |
|          | 108        | ⊢        | ├-             | ┢              | -        | ┼-           | ₩            | ⊢            | <del> </del> | ļ.,       |  |
|          | 109<br>110 | $\vdash$ | <del>  -</del> | ⊢              | -        | ╀╌           | ŀ            | ┢            |              | $\vdash$  |  |
|          | 111        | -        |                | ├-             | ┢        | ╁-           | ╁            | ╀            | ⊢            | -         |  |
|          | 112        | $\vdash$ | -              | <del>  -</del> | $\vdash$ | +            | $\vdash$     | +-           | ┢            | -         |  |
|          | 112<br>113 | $\vdash$ |                | $\vdash$       | $\vdash$ | ┢            | +            | <del> </del> | $\vdash$     | $\vdash$  |  |
|          | 114        | <u> </u> | Т              | 1              | T        | $\vdash$     | 1            | 1            | $\vdash$     | $\vdash$  |  |
|          | 115        |          |                |                | Γ        | 1            | Τ            | T            |              | $\vdash$  |  |
|          | 116        |          |                |                | Π        | T            | $\vdash$     | ┢            |              | П         |  |
|          | 117        |          |                |                |          |              |              |              |              | M         |  |
|          | 118        |          |                |                |          |              |              |              |              | П         |  |
|          | 119        |          | L              |                | L.       |              |              |              |              |           |  |
|          | 120        |          | <u> </u>       |                |          | L            |              | <u> </u>     |              |           |  |
|          | 121<br>122 | _        | <u> </u>       | L              | _        |              | L            | <u>_</u>     | <u> </u>     | Ш         |  |
|          | 122        | _        | _              | _              | ļ        | ┡            | ┞-           | ļ.           | <u> </u>     | Ш         |  |
|          | 123<br>124 |          |                | <u> </u>       | <u> </u> | <u> </u>     | <u> </u>     | <u> </u>     |              |           |  |
|          | 124        | _        |                |                | ├        | ⊢            | ┞            | _            | _            | $\sqcup$  |  |
|          | 125<br>126 | -        |                |                | ┝        | ├—           | $\vdash$     | ├—           | ⊢            | -         |  |
|          | 127        |          | -              | $\vdash$       | -        | <del> </del> | <del> </del> |              | _            |           |  |
| _        | 128        |          | -              | ┢              | $\vdash$ | ┢            | ╁            | -            |              | $\vdash$  |  |
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|          | 130        |          |                | Ė              | $\vdash$ |              | Г            | 1            |              |           |  |
|          | 131<br>132 |          |                |                |          |              |              | <b> </b>     |              |           |  |
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|          | 133        |          |                |                |          |              |              |              |              |           |  |
|          | 134        |          |                |                | <i>"</i> | L            | _            | L            |              |           |  |
|          | 135        | _        |                |                |          | <u> </u>     |              |              |              |           |  |
|          | 136        | _        |                | <u> </u>       |          | ┞            | <b> -</b>    |              |              |           |  |
|          | 137<br>138 | -        |                |                |          |              | <u> </u>     | H            | _            | $\dashv$  |  |
|          | 139        |          | _              |                | _        | -            |              | Н            |              | $\dashv$  |  |
| $\dashv$ | 140        | -        |                |                | -        |              | _            | Н            |              | $\dashv$  |  |
|          | 141        | -        | $\dashv$       | _              |          | -            | -            | H            |              | -         |  |
|          | 142        | 一        |                |                |          | $\vdash$     | $\vdash$     |              |              | -         |  |
|          | 143        | $\neg$   |                |                |          |              |              | H            |              | $\dashv$  |  |
|          | 144        |          |                |                |          |              |              | $\vdash$     |              | $\dashv$  |  |
|          | 145        |          |                |                |          |              |              |              |              | $\exists$ |  |
|          | 146        |          |                |                |          |              |              |              |              |           |  |
|          | 147        | $\Box$   | $\Box$         |                | _        |              |              |              |              |           |  |
|          | 148        |          | _              |                |          |              |              |              |              | $\Box$    |  |
|          | 149        | _        | _              |                |          | Щ            | $oxed{oxed}$ |              | _            |           |  |
|          | 150        |          | i              |                |          |              | Ш            |              |              |           |  |